

ABSTRACT OF THE DISCLOSURE

A logarithmic graph plotting apparatus capable of easily setting and displaying x- and/or y-axes as logarithmic ones to thereby display a logarithmic graph. A graph range setting picture (View Window) is displayed by operating a "range" key. The x- and y-coordinate ranges are inputted and set on the graph range setting picture. Graph plot data (x_1, y_1) , (x_2, y_2) , (x_3, y_3) , ..., (x_n, y_n) corresponding to any particular graph function expression are calculated based upon the coordinate ranges to thereby plot and display a corresponding a graph in a coordinate system with the x- and y-coordinate axes. When logarithmic graph display check boxes (☐x-Log) and/or (☐y-Log) on the setting picture (View Window) are checked off, logarithmic scale lines corresponding to the set x- and y-coordinate ranges are set and plotted. In addition, each of the graph plot data (x_1, y_1) , (x_2, y_2) , (x_3, y_3) , ..., (x, y_n) is also converted to a corresponding logarithmic value $(\log x, \log y)$, which are used to plot and display a corresponding logarithmic graph (FIG. 2).